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Notice of Allowability	Application No.	Applicant(s)	
	09/675,637	YAMANISHI ET AL.	
	Examiner	Art Unit	
	Ayal I. Sharon	2123	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. ☒ This communication is responsive to Amendment filed 9/14/07.
- 2. ☒ The allowed claim(s) is/are 1-3,6-11 and 14-16.
- 3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 - 1. ☒ Certified copies of the priority documents have been received.
 - 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- 6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Introduction

1. Claims 1-3, 6-11, and 14-16 of U.S. Application 09/675,637, originally filed on 09/29/2000 are currently pending.
2. This application claims priority to Japanese application 275437/1999, filed on 09/29/1999.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
4. Authorization for this examiner's amendment was given in a telephone interview on 9/14/07 with Mr. Paul Esatto, Reg. No. 30,749.
5. Claim 1, lines 17-18, in the application has been amended as follows:

The phrase

"said fraud being identified when said probability of generation of the input data largely deviates from said stored parameter values."

has been changed to

---- and anomalous data, indicative of fraud, being identified when said probability of generation of the input data deviates from said stored parameter values. --

6. Claim 3, lines 24-25, in the application has been amended as follows:

The phrase

“said fraud being identified when said degree of outlier data largely deviates from said stored parameter values.”

has been changed to

---- and anomalous data, indicative of fraud, being identified when said degree of outlier data deviates from said stored parameter values. ---

7. Claim 6, lines 10-11, in the application has been amended as follows:

The phrase

“said fraud being identified when said degree of outlier largely deviates from said stored parameter values.”

has been changed to

---- and anomalous data, indicative of fraud, being identified when said degree of outlier deviates from said stored parameter values. ---

8. Claim 7, lines 14-15, in the application has been amended as follows:

The phrase

“said fraud being identified when said degree of outlier largely deviates from said stored parameter values.”

has been changed to

---- and anomalous data, indicative of fraud, being identified when said degree of outlier deviates from said stored parameter values. ---

9. Claim 8, lines 37-38, in the application has been amended as follows:

The phrase

“said fraud being identified when said degree of outlier largely deviates from said stored parameter values.”

has been changed to

---- and anomalous data, indicative of fraud, being identified when said degree of outlier deviates from said stored parameter values. ---

10. Claim 9, lines 30-31, in the application has been amended as follows:

The phrase

“said fraud being identified when said degree of outlier largely deviates from said stored parameter values.”

has been changed to

---- and anomalous data, indicative of fraud, being identified when said degree of outlier deviates from said stored parameter values. ---

11. Claim 10, lines 17-19, in the application has been amended as follows:

The phrase

“said fraud being identified when said probability of generation of the input data largely deviates from said stored parameter values.”

has been changed to

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---- and anomalous data, indicative of fraud, being identified when said probability of generation of the input data deviates from said stored parameter values. ---

12. Claim 11, lines 21-23, in the application has been amended as follows:

The phrase

“said fraud being identified when said degree of outlier largely deviates from said stored parameter values.”

has been changed to

---- and anomalous data, indicative of fraud, being identified when said degree of outlier deviates from said stored parameter values. ---

13. Claim 14, lines 10-12, in the application has been amended as follows:

The phrase

“said fraud being identified when said degree of outlier largely deviates from said stored parameter values.”

has been changed to

---- and anomalous data, indicative of fraud, being identified when said degree of outlier deviates from said stored parameter values. ---

14. Claim 15, lines 14-16, in the application has been amended as follows:

The phrase

“said fraud being identified when said degree of outlier largely deviates from said stored parameter values.”

has been changed to

---- and anomalous data, indicative of fraud, being identified when said degree of outlier deviates from said stored parameter values. ---

15. Claim 16, lines 27-29, in the application has been amended as follows:

The phrase

“said fraud being identified when said degree of outlier largely deviates from said stored parameter values.”

has been changed to

---- and anomalous data, indicative of fraud, being identified when said degree of outlier deviates from said stored parameter values. ---

Examiner's Statement of Reasons for Allowance

16. Claims 1-3, 6-11, and 14-16 are allowed.

17. The following is an examiner's statement of reasons for allowance for claims 1-3, 6-11, and 14-16.

18. Examiner finds Applicants' arguments in the pp.14-16 of the amendment filed on 7/16/2007 to be persuasive.

19. In addition, Examiner finds the following support in the specification for Applicants' amendments:

- a. “gradually forgetting past data” is supported on p.34 of the specification.
- b. “based on a degree of change or a logarithmic loss” is supported on pp.28 and 36-39 of the specification.

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20. The examiner has given the preambles of the claims patentable weight as limitations to the claims, because the preambles are needed to understand the bodies of the claims.
21. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Correspondence Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ayal I. Sharon whose telephone number is (571) 272-3714. The examiner can normally be reached on Monday through Thursday, and the first Friday of a biweek, 8:30 am – 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Rodriguez can be reached at (571) 272-3753.

Any response to this office action should be faxed to (571) 273-8300, or mailed to:

USPTO
P.O. Box 1450
Alexandria, VA 22313-1450

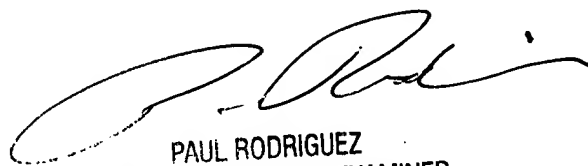
or hand carried to:

USPTO
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Tech Center 2100 Receptionist, whose telephone number is (571) 272-2100.

Ayal I. Sharon
Art Unit 2123
September 14, 2007

A handwritten signature in black ink, appearing to read 'P. Rodriguez', is written over a faint, circular, dotted-line stamp.

PAUL RODRIGUEZ
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100